

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14822	(257/213,347,368,401.CQLS. OR 438/149,151,157,164,283,284.CQLS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 11:41
L2	798	1 and (fin\$1fet\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 11:42
L3	100	2 and (dummy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 11:42
L7	8	("6611029"   "6642090"   "6645797").PN. OR ("6756643").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 11:45
L8	5	("6611029"   "6642090"   "6645797"   "6689650").PN. OR ("6812076").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 11:46
L9	134	2 and (fin with (dummy or assist\$3 or sacrificial\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 11:49
L10	95	(7 or 8 or 9) not 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 11:49
L14	4096	Yamagami-Shigeharu\$.in. Wakabayashi- Hltoshi\$.in. Takeuchi-Kiyoshi\$.in. Ogura- Atsushi\$.in. Tanaka-Masayasu\$.in. Nomura- Masahiro\$.in. Takeda-Koichi\$.in. Tatsumi- Toru\$.in. Watanabe-Koji\$.in. Terashima- Koichi\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 11:58
L17	4	(fin with type with fet\$1) and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:01
L18	19	(fin with type) and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:02

L25	316	((fin\$1et\$1 or (fin with type with M\$FET\$1)) and (fin\$1 with (dummy or dummies or sacrificial\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:17
L26	134	25 and ((surround\$3 or clos\$3 or encompass\$3) with (fin\$1 or layer\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:30
L27	117	26 not 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:31
L28	70	27 not 9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:31
S14	1360	(((((bar\$1 OR fin\$1 OR fin\$1et) near2 (encapsulat\$3 OR protect\$3 OR surround\$3 OR isolate OR protect)) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319") ) AND ("438".CLAS. OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/07 09:45
S15	101	S14 and dummy	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/07 09:55
S33	49	((CMP with fin) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ("438".CLAS. OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 07:16
S37	4	((CMP same (fin near3 (lines or array))) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ("438".CLAS. OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 07:21
S39	39	((fin near electrically) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ("438".CLAS. OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 07:52

S45	26	((((fin or pillar) near (non\$1electrically or passive or dummy)) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ("438".CLAS. OR "257".CLAS.) and (fin\$1fet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 08:01
S46	272	((((YAMAGAMI.IN. OR WAKABAYASHI.IN. OR TAKEUCHI.IN. OR OGURA.IN. OR TANAKA.IN. OR NOMURA.IN. OR TAKEDA.IN. OR TATSUMI.IN. OR WATANABE.IN. OR TERASHIMA.IN.) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ("438".CLAS. OR "257".CLAS.)) AND (fin\$1fet OR fin OR (fin adj type))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 13:31
S47	144	((CMP same (fin or fin\$1fet or "fin-type")) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ("438".CLAS. OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 13:32
S49	11551	((multigate OR "multi-gate" OR trigate OR "tri-gate" OR "fin-type" OR "fin-fet" OR fin) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ("438".CLAS. OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:18
S50	1353	S49 AND (dummy OR assist OR assisted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:19
S51	1007	S50 AND (encapsulat\$3 OR protect\$3 OR surround\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:20
S52	399	S51 AND (gate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:21
S54	682	((fin\$1fet OR (fin adj fet)) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ("438".CLAS. OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:25
S55	9719	(257/347,368,401.CQLS. OR 438/149,151,157,164,283,284.CQLS.) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:26

S56	262	S55 AND ((fin\$1fet OR (fin adj fet)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:27
S57	15	((gate near contact) near2 silicon ) same (finfet or fin\$1fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 15:52
S65	16	((contact same dummy) same fin) and (fin \$1fet or finfet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 16:20
S66	7	((S65) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 16:21
S67	3	((@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319") AND ((finfet or fin \$1fet) same3 ( (gate near contact\$2) same (isolation or ST1 or HM)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 16:29
S72	29	(gate near3 nitride) same (fin\$1fet or finfet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 17:14
S79	1325	((("257".CLAS. OR "438".CLAS.) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ((fin adj fet) OR fin\$1fet OR fin\$1type OR (fin adj type) OR finfet\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:15
S80	297	((("257/347,365,368,401.CCL.S. OR 438/149,151,157,164,283,284.CCL.S.) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ((fin adj fet) OR fin\$1fet OR fin\$1type OR (fin adj type) OR finfet\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:15
S82	31	S79 AND (dummy NEAR2 fin\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:16

S83	12	S79 AND ((CMP OR polish\$4) NEAR3 dummy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:18
S84	14	S80 AND (dummy NEAR2 fin\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:18
S85	6	S80 AND ((CMP OR polish\$4) NEAR3 dummy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:19
S86	945	S79 AND (protect\$3 OR encompass\$3 OR wrap OR encapsulat\$3 OR protect\$3 OR surround\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:20
S87	42	S86 AND ("dummy gate")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:21
S88	52	S79 AND ("dummy gate")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:22
S89	4776	((@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")) AND ((fin adj fet) OR fin\$1fet OR fin\$1type OR (fin adj type) OR finfet\$5 OR MUGFET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:24
S90	42	S89 AND (dummy NEAR3 fin\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:25
S91	39	S89 AND (gate NEAR2 isolation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:26
S92	68	S89 AND (fin\$1 near surround\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:27

S93	65	S89 AND (gate NEAR2 nitride)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:28
S95	47	((finfet OR "finfet-type" OR "fin-type" OR fin\$1fet OR (fin adj fet) or fin\$1fet\$1) same dummy) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:31
S96	17	S89 AND ((isolation or nitride or oxide) NEAR (gate NEAR2 (extend\$3 OR dispos\$3 OR rest\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:35
S98	5	((@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319") AND ((finfet or fin\$1fet) same3 ( (gate near silicon) same (contact))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:41
S99	0	S89 AND (CMP near fin\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:43
S100	104	S89 AND (CMP SAME fin\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:46
S101	8	S89 AND (CMP near4 fin\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:46
S102	55	((fin adj fet) OR fin\$1fet OR fin\$1type OR (fin adj type) OR finfet\$5 OR MUGFET) same dummy) AND (@pd<="20040319" OR @ad<="20040319" OR @rlad<="20040319")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:50
S103	1	"10593300"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/07 10:38
S104	8	("6611029"   "6642090"   "6645797").PNL OR ("6756643").URPNL	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:00
S105	75	("5315143"   "6396108"   "6483171").PNL OR ("6611029").URPNL	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:02

S106	109	("20020036290"   "4361600"   "4437226"   "4502913"   "4561932"   "4580331"   "4648173"   "4764799"   "4845048"   "4996574"   "5595926"   "5675164"   "5963789"   "5963807"   "6110793"   "6174784"   "6252284"   "6365452"   "6373123"   "6413802"   "6458662"   "6461889").PN. OR ("6642090").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:02
S107	11	("20010036731"   "20020130354"   "20020177263"   "20030057486"   "6611029"   "6642090"   "6645797"   "6689650"   "6756643").PN. OR ("6982464").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:02
S108	162	S104 S105 S106 S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/07 11:03
S109	16	("20040052948"   "20060088967"   "20060234456"   "20060270181"   "20070099353"   "20070161171"   "20080006852"   "20080128797"   "20080230852"   "6252284"   "6413802"   "6642090"   "6909147"   "7196380"   "7256078"   "7382020").PN. OR ("7612405").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:04
S110	71	("20030045080"   "20030104663"   "20030109121"   "20030146480"   "20030164525"   "20030235973"   "20040007747"   "20040033669"   "20040048424"   "20040061178"   "20040061184"   "20050054149"   "20050055494"   "20050056881"   "20050064636"   "20050070062"   "20050074932"   "20050079695"   "20050106788"   "20050136605"   "20050158974"   "20050186747"   "20050189599"   "20050205942"   "20050215037"   "20050215055"   "20060134844"   "4107835"   "4672419"   "4931411"   "5395773"   "5937315"   "6051460"   "6060741"   "6083836"   "6130123"   "6136655"   "6225168"   "6265258"   "6373111"   "6376888"   "6383879"   "6410967"   "6432817"   "6492217"   "6511876"   "6525391"   "6541866"   "6573571"   "6602781"   "6617624"   "6642090"   "6660605"   "6677208"   "6686637"   "6689673"   "6693333"   "6696333"   "6696345"   "6713360"   "6849509"   "6914295"   "6936508"   "7022559"   "7030430"   "7126199"   "7148143"   "7187044"   "7321154"   "7329913"   "7332439").PN. OR ("7611943").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:07

S111	33	( "200201142530"   "200301102518"   "20030178677"   "20030227036"   "20040036127"   "20040075122"   "20040124450"   "20040126975"   "20040235300"   "20050121733"   "20050156171"   "20050224800"   "20050272213"   "20070158703"   "20090061572"   "4892753"   "6413802"   "6703672"   "6716690"   "6756643"   "6787476"   "6815268"   "6943085"   "6982464"   "6992354"   "7005330"   "7091068"   "7166516"   "7276763"   "7282766"   "7329913"   "7361958"   "7442596").PN. OR ("7585734").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:08
S112	10	( "20030102518"   "20040217433"   "20060214226"   "5917218"   "5981324"   "6071775"   "6184085"   "6580137"   "6642090"   "7101742").PN. OR ("7566619").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:08
S113	13	( "20060151834"   "20070099353"   "20070161171"   "20080006852"   "20080128797"   "20080230852"   "6252284"   "6413802"   "6642090"   "6909147"   "7196380"   "7256078"   "7382020").PN. OR ("7560785").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:09
S114	17	( "20040150029"   "20040259295"   "20040266076"   "20050026377"   "20050035415"   "20050073060"   "20050111251"   "20050124095"   "6642090"   "6696330"   "6720619"   "6838322"   "6867460"   "7023056"   "7164175"   "7172943"   "7233032").PN. OR ("7547947").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:10
S115	12	( "20040262687"   "20050153490"   "20050215016"   "20050258476"   "5920108"   "6642090"   "6660613"   "6706571"   "6762448"   "6835996"   "7056781"   "7388259").PN. OR ("7535061").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:11
S116	92	( "20020011612"   "20020036290"   "20020081794"   "20020166838"   "20020167007"   "20030057486"   "20030085194"   "20030098488"   "20030102497"   "20030111686"   "20030122186"   "20030143791"   "20030151077"   "20030201458"   "20030227036"   "20040031979"   "20040033639"   "20040036118"   "20040036127"   "20040082125"   "20040092062"   "20040092067"   "20040094807"   "20040110097"   "20040119100"   "20040126975"   "20040166642"   "20040180491"   "20040191980"   "20040195624"   "20040198003"   "20040203254"   "20040227187"   "20040238887"   "20040256647"   "20040262683"   "20040262699"   "20050019993"   "20050035415"   "20050118790"   "20050127362"   "20050145941"   "20050148137"   "20050224797"   "20050233156"   "20050277294"	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:12



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S133	512	S132 not S108	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/07 12:30
S134	53	S133 and (dummy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/07 12:31
S135	78	("4996574"   "5273921"   "5308999"   "5316957"   "5447875"   "5580802"   "5689127"   "5757038"   "5773331"   "5780327"   "6171937"   "6242783"   "6307237").PN. OR ("6483156").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 12:33

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L4	13239	(257/213,347,368,401.CQLS. OR 438/149,151,157,164,283,284.CQLS.)	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 11:42
L5	821	4 and (fin\$1fet\$1)	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 11:42
L12	156	4 and (fin with (dummy or assist\$3 or sacrificial\$3))	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 11:53
L19	2965	fin\$fet\$1 or (fin with type with M\$FET\$1)	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:05
L21	837	4 and 19	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:07
L22	338	21 and ((surround\$3 or clos\$3 or encompass \$3) with (fin\$1 or layer\$1))	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:08
L23	184	22 and ( (gate or electrode\$1) with (strid\$3 or cover\$3))	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:08
L24	147	23 not 12	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:09

12/16/2009 12:38:31 PM

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